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NASA Procedural Requirements

COMPLIANCE IS MANDATORY

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Subject: Health and Medical Requirements for Human Space Exploration

Responsible Office: Office of the Chief Health & Medical Officer

| [TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [AppendixA](#) | [AppendixB](#) | [AppendixC](#) |
[AppendixD](#) | [AppendixE](#) | [ALL](#) |

Chapter 2. Human Health-Related System Design Requirements

2.1 System Design Requirements Definition

2.1.1 Program Managers shall formulate human health-related system design requirements in compliance with NASA-STD-3001, NASA Space Flight Human System Standard, Volume 1, and NASA-STD-3000, Volumes I-II, Man-Systems Integration Standards.

2.1.2 The NASA HMTA shall approve all human health-related system design requirements.

2.2 System Design Requirements

2.2.1 The space system shall provide the following systems and capabilities in compliance with NASA-STD-3001, NASA Space Flight Human System Standard, Volume 1, and NASA-STD-3000, Volumes I-II, Man-Systems Integration Standards:

- a. Diagnostic and treatment systems in compliance with established level of medical care standards.
- b. Capability for medical services to support all phases of a mission in compliance with established level of medical care standards.
- c. Health maintenance, preventive, and countermeasure systems in compliance with established space flight crew health standards.
- d. Medical communications, consistent with privacy requirements and the Privacy Act of 1974, and established level of medical care and space flight crew health standards.
- e. A healthy and safe environment in compliance with established habitability and environmental health standards.
- f. System implementations that meet established human performance and constraints related to human health.

| [TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [AppendixA](#) | [AppendixB](#) |
[AppendixC](#) | [AppendixD](#) | [AppendixE](#) | [ALL](#) |

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